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DT09 Rec'd PGT/PTO 14 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Confirmation No. :
First Named Inventor : Nigel SEDDON
Filed : March 14, 2005
TC/A.U. :
Examiner :

Docket No. : 038665.56036US
Customer No. : 23911

Title : Periodic Electromagnetic Structure

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R § § 1.97 AND 1.98**

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Alexandria, VA 22313-1450

March 14, 2005

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

Copies of the references listed on the attached form PTO-1449 have already been provided by the International Searching Authority, therefore, duplicate copies are not attached hereto. Applicant encloses herewith a copy of the International Search Report citing such documents indicating the degree of relevance found by the foreign office.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no statement under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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10/527748

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	
			Filing Date March 14, 2005	
			First Named Inventor Nigel SEDDON	
			Art Unit	
Examiner Name				
Sheet	1	of	Attorney Docket Number 038665.56036US	

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	AA	US- 5,497,168	A	03/05/1996	Thomas et al	Abstract; Figs. 4, 5, 9, 10, Col. 4, lines 19-41
	AB	US- 2001/038325	A1	11/08/2001	Smith et al	Abstract
		US-				

FOREIGN PATENT DOCUMENTS							
Examiner Initials'	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ –Number ⁴ –Kind Code ⁵ (if known)					
	AC	EP 1 162 687 A		12/12/2001	Sony Corp.	Pg. 4, lines 1-41; Figs. 4-6	
	AD	EP 1 195 847 A		04/10/2002	Tenna Corp	Pg 1, line 10-Pg 2. line 40; Figs. 1-12	
	AF	WO 99 50929 A		10/7/1999	Sievenpiper Dan et al	Figs. 8B, 11B	

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	AG	Coccioli R et al: "Aperture-Coupled Patch Antenna on UC-PBG Substrate" IEEE Transations on Microwave Theory and Techniques, IEEE Inc. New York US. Vo. 47, no. 11, November 1999; pages 2123-2130, XP000865110 ISSN: 0018-9480 (Cited in the application; Abstract)		
	AH	Brewitt-Taylor C R et al: "Measurement and Prediction of Helix-Loaded Chiral Composites" IEEE Transactions on Antennas and Propagation, IEEE Inc. New York, US Vol. 47, no. 4, April 1999; pages 692-699, XP000830226, ISSN: 0018-926X (cited in the application; Abstract)		
	AI	Kocharyan K N et al: "The millimeter wave magneto-optics: new method for characterization of ferrites in the millimeter wave range" MICROWAVE SYMPOSIUM DIGEST, 1999 IEEE MTT-S INTERNATIONAL. Anaheim, CA, USA 13-19 June 1999, pages 1159-1172, XP010343343, ISBN: 0-7803-5135-5 , page 1169, left-hand column; figure 3		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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